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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,333	12/15/2004	Yukio Goto	TB00005	1238
	590 04/23/2007 BEECHAM CORPORAT	EXAMINER		
	NTELLECTUAL PROPE	. JIANG,	JIANG, DONG	
P. O. BOX 1539 KING OF PRUSSIA, PA 19406-0939			ART UNIT	PAPER NUMBER
			1646	
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MON	THS	04/23/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/518,333	GOTO ET AL.			
Office Action Summary	Examiner	Art Unit			
	Dong Jiang	1646			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b)	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
 Responsive to communication(s) filed on <u>28 Fee</u> This action is FINAL. Since this application is in condition for allower closed in accordance with the practice under Enterty. 	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
 4) ☐ Claim(s) 1-9 is/are pending in the application. 4a) Of the above claim(s) 2,4 and 6-9 is/are wit 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,3 and 5 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-9 are subject to restriction and/or elements. 					
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposition and accomposition accomposition accomposition and accomposition accomposition accomposition and accomposition and accomposition accomp	epted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) \(\sum \) Notice of References Cited (PTO-892) 2) \(\sum \) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D				
Notice of Draitsperson's Patent Drawing Review (PTO-946) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 12/15/04. Notice of Informal Patent Application Other:					

DETAILED OFFICE ACTION

Page 2

Applicant's election with traverse of Group I invention, claims 1, 3 and 5, filed on 28

February 2007 is acknowledged. Because applicant did not distinctly and specifically point out

the supposed errors in the restriction requirement, the election has been treated as an election

without traverse (MPEP § 818.03(a)).

Currently, claims 1-9 are pending, and claims 1, 3 and 5 are under consideration to the

extent that they read on the elected invention. Claims 2, 4 and 6-9 are withdrawn from further

consideration as being drawn to a non-elected invention.

Formal Matters:

Information Disclosure Statement

Applicant's IDS submitted on 12/15/04 is acknowledged and has been considered. A signed

copy is attached hereto.

Priority acknowledgement

This application is a national stage entry (371) of PCT/US03/17744 with the international

filing date of 6/5/03, which claims priority to US provisional application 60/392,176 filed on

6/27/02, which is acknowledged.

Claims

Claim 5 is objected to as being dependent upon, in part, non-elected claims, claims 2 and

4. The applicant is required to rewritten the claim to read upon only the elected claims.

Rejections under 35 U.S.C. §112:

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall

set forth the best mode contemplated by the inventor of carrying out his invention.

Application/Control Number: 10/518,333 Page 3

Art Unit: 1646

Claims 1, 3 and 5 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for claims limited in scope to a method of treating IBD with said polypeptide, does not reasonably provide enablement for claims to a method of *preventing* IBD with the polypeptide (claims 1 and 3, for example). The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to use the invention commensurate in scope with these claims.

The factors considered when determining if the disclosure satisfies the enablement requirement and whether any necessary experimentation is "undue" include, but are not limited to: 1) nature of the invention, 2) state of the prior art, 3) relative skill of those in the art, 4) level of predictability in the art, 5) existence of working examples, 6) breadth of claims, 7) amount of direction or guidance by the inventor, and 8) quantity of experimentation needed to make or use the invention. *In re Wands*, 858 F.2d 731, 737, 8 USPQ2d 1400, 1404 (Fed. Cir. 1988).

Claims 1 and 3 recite a method of treating or *preventing* IBD with a polypeptide (IL-18), wherein the limitation "preventing" reads on to keep the disease from happening or to cure the disease. In searching the prior art, the results of record have not established that a disease such as IBD can be prevented with IL-18. Further, the specification provides no instruction or guidance, nor working examples of in the respect to the preventing effect of IL-18 on IBD. Furthermore, prevention would necessarily mean that an individual would be given said composition, and such administration would ensure that the patient did not develop said diseases. As currently there is no decisive means to predict who would be developing the conditions, and such preventative effect has not been shown, the asserted use of *preventing* the diseases is not enabled.

Due to the large quantity of experimentation necessary to determine whether IL-18 has any preventing effect on IBD, the lack of direction/guidance presented in the specification regarding same, the absence of working examples directed to same, the complex nature of the invention, the state of the prior art, which has not established that IBD can be prevented by IL-18, and the breadth of the claims which embraces preventative effect of IL-18, undue experimentation would be required of the skilled artisan to use the claimed invention in its full scope.

Rejections Over Prior Art:

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Coleman et al, WO 97/24441 (provided by applicants).

Coleman discloses a human IGIF-2 polypeptide, which amino acid sequence of SEQ ID NO:2 comprises the present SEQ ID NO:1 with 100% sequence identity. Additionally, Coleman teaches that said polypeptide can be used for treating diseases/conditions including, among others, Crohn's disease or other inflammatory bowel diseases (the paragraph bridging pages 35 and 36). Therefore, the reference anticipates claims 1, 3 and 5.

Conclusion:

No claim is allowed.

Art Unit: 1646

Advisory Information:

Any inquiry concerning this communication should be directed to Dong Jiang whose telephone number is 571-272-0872. The examiner can normally be reached on Monday - Friday from 9:30 AM to 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Nickol, can be reached on 571-272-0835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Dong Jiang Ph.I Patent Examiner

AU1646 4/13/07